**Angular**

**Angular Key Point**

* Index.html is serve to browser
* Roots (selector) locate component from the index.html which serve as single page application
* In angular Single page application is use. Which mean in single page we can switch multiple component as user can experience single page but internally it switch to component at the same.
* **Note:** Angular in the end is a JS framework, changing your DOM (‘HTML’) at runtime!
* **Key\*\*:** Module, Component, Service.

**Node**

Start: Locate path of folder in cmd to install angular. Now: **npm install –g @angular/cli@latest**

**CLI**

* In Node.js cmd: locate file
* To create new angular project: **ng new <file\_name>**
* Select NO if you don’t want to route demo & Select CSS
* CLI generate project with necessary dependencies from npm
* Need to live deployment to local server host: **ng serve**
* It will compile total solution and start server at [**http://localhost:4200**](http://localhost:4200)

**Modules**

* Modules are NgModules
* NgModules are containers for a block of code dedicated to an application domain, a workflow, or a closely related set of capabilities
* Extension is import & root to NgModules
* Only need one module for one angular project, It have more than one but it’s not necessary
* For explicitly to create module below angular v8 (CLI): **ng generate module <name>**

**Component**

* Component is simply a TypeScript with HTML decoration for view or display
* Its control parts of the screen
* To create component (CLI) : **ng generate component <name>**
* To skip test of the component/ skip generating a file for component tests: **ng generate component <name> --skipTests**
* It will generate following file in **src/app/<name>:** 
  + **src/app/calculator/calculator.component.css** for CSS styles.
  + **src/app/calculator/calculator.component.html** for the component's template or the view.
  + **src/app/calculator/calculator.component.ts** for the component logic.
* Can create N number of component

[Note: CLI is best practice to start with angular. it will have advantage and disadvantage. Through CLI it will added roots to the dependence & without CLI needed to create explicitly component, service and necessary need capabilities which needed roots to modules and help to avoid unnecessary file]

**NPM**

Npm install –g

* it will install globally

Npm install –save

* it will install locally at specific project